

# INAUGURAL MATHEMATICS COMPETITION



**SATURDAY**  
**May 18, 2024**

## Schedule of Events

- 9:00 Check-In
- 9:15 Welcome
- 9:30 Survivor Exam
- 10:15 Break
- 10:30 The TriFACTa Bowl\*
- 11:00 Results & Awards\*

\*Parents/Guardians invited to watch.

## PRIZES AWARDED!!\*

- First Place - \$500
- Second Place - \$250
- Third Place - \$100

\*Scholarship opportunities available.

The "Top 8" contestants in the general knowledge Survivor exam will be recognized. Individual awards will be given at the conclusion of the **TriFACTa Bowl**.

## Parents/Guardians

The Survivor Exam will be a closed portion of the competition. Coffee and snacks will be available to parents/guardians as they wait.

All are welcome to watch portions of The TriFACTa Bowl and awards presentation. See schedule for details.

All 6th and 7th graders are invited to participate in the inaugural mathematics competition at Trinity School of Texas. The **Trinity TriFACTa Tournament** is a chance for students to compete individually against students from other schools and homeschools in the local area. The competition is open to all students **currently enrolled in 6th or 7th grade**. Each participant will compete in a general knowledge math exam called, **Survivor**. The top three finalists will then compete in a live question-and-answer, buzz in, contest called **The TriFACTa Bowl**. At the end of the competition, awards will be presented to individuals for their performance.

## FREE REGISTRATION



**DEADLINE:**  
**MAY 10, 2024**

**SCAN CODE**  
**TO REGISTER**



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# COMPETITION COMPONENTS



## **Survivor Exam:**

This general math knowledge test will comprise of all 4 major mathematical areas: basic logic and reasoning, arithmetic, algebra, and geometry (see below for details). Students' results in their **Survivor Exam** will count towards their overall individual score.

### Arithmetic

The arithmetic portion will be questions related to the four arithmetic operations (addition, subtraction, multiplication, and division). These problems will test students on both speed and accuracy. Students should be comfortable working with decimals and fractions and have a basic understanding of the order of operations.

### Algebra

The algebra portion will focus on solving various one variable equations presented both in algebraic symbols and in word problem format. Students should be comfortable manipulating equations, graphing in the xy-plane, and translating problems from words into mathematical symbols.

### Geometry

The geometry portion will focus on basic relationships between points, lines, angles, and planes. Students should be familiar with the geometric applications on the xy-coordinate plane as well as, with calculating surface area, and volume of common geometric figures.

### Logic and Reasoning

The Logic + Reasoning portion will have various puzzle style problems. It will incorporate several mathematical disciplines while evaluating a student's abilities to reason through a problem, to employ a variety of problem solving strategies, and to solve complex word, numerical, and visual puzzles using logic and pattern detection.

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## **TriFACTa Bowl**

The top three competitors receiving the highest scores on the Survivor Exam will compete in the TriFacta Bowl. The TriFacta Bowl is a live question-and-answer buzz in competition similar to the TV game show, "Jeopardy". Contestants will choose a category from 5 displayed on the projected screen. The first contestant to buzz in with the correct answer will receive points from that category. The contestant with the highest score after the Double TriFACTa round will be the champion of the tournament.

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## **Practice**

Become familiar with topics in basic logic and reasoning, arithmetic, algebra, and geometry

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## **What To Bring**

Competitors should bring sharpened #2 pencils and any personal snacks. Snacks and water will be provided. Calculators are NOT permitted during competition.



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